EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		("180"/305.ccls. or "60"/$.ccls.) and ((motor adj3 pump)) and (common adj3 shaft))	USPAT	OR	ON	2005/07/20 19:02
		("180"/305 or "60"/$.ccls.) and ((motor adj3 pump)) and (common adj3 shaft))	USPAT	OR	ON	2005/07/20 19:02
S1	1	("6719080").PN.	USPAT	OR	OFF	2005/03/17 15:47
S2	0	("20040011031").PN.	USPAT	OR	OFF	2005/03/17 13:30
S3	1	("20040011031").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/17 13:30
S4	0	S3 and torque	USPAT	OR	OFF	2005/03/17 13:30
S5	1	S3 and torque	US-PGPUB; USPAT	OR	OFF	2005/03/17 16:10
S6	1	S3 and arm	US-PGPUB; USPAT	OR	OFF	2005/03/17 15:03
S7	557758	pump and motor and shaft bearing	USPAT	OR	OFF	2005/03/17 15:52
S8	29746	pump and motor and shaft and bearing	USPAT	OR	OFF	2005/07/20 17:50
S9	1273	S8 and "180"/$.ccls.	USPAT	OR	OFF	2005/03/17 16:28
S10	1	("20040011031").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/17 16:10
S11	1	S10 and gear	US-PGPUB; USPAT	OR	ON	2005/03/17 16:10
S12	1049	S9 and gear	USPAT	OR	ON	2005/03/17 17:00
S13	1	S9 and "bent-axis"	USPAT	OR	ON	2005/03/17 17:00
S14	41	S7 and "bent-axis"	USPAT	OR	ON	2005/03/17 17:01
S15	141	pump and motor and shaft and (bent adj2 axis)	USPAT	OR	OFF	2005/03/17 17:18
S16	27	S15 and tool	USPAT	OR	ON	2005/03/17 17:13
S17	101	pump and motor and shaft and (bent adj axis)	USPAT	OR	OFF	2005/07/20 17:59
S18	2	"6719080"	USPAT	OR	OFF	2005/07/20 17:50
S19	12	("4018052" | "4098083" | "4098144" | "4223532" | "4813234" | "4888949" | "5495912" | "5505527" | "5507144" | "5579640" | "5887674").PN. OR ("6719080"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/20 17:52
S20	12	S19 and (pump and motor)	USPAT	OR	OFF	2005/07/20 17:53
S21	1	S20 and bearing	USPAT	OR	OFF	2005/07/20 17:52

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S22	103	pump and motor and shaft and (bent adj axis)	USPAT	OR	OFF	2005/07/20 18:16
S23	46	S22 and compress$	USPAT	OR	OFF	2005/07/20 18:18
S24	564665	pump and motor and shaft bearing	USPAT	OR	OFF	2005/07/20 18:01
S25	256024	S24 and plate	USPAT	OR	OFF	2005/07/20 18:01
S26	35	S23 and plate	USPAT	OR	OFF	2005/07/20 18:01
S27	1522	pump and motor and shaft and (torque with transfer)	USPAT	OR	OFF	2005/07/20 18:16
S28	747	S27 and (pumps or motors or (second adj2 motor) or (second adj pump))	USPAT	OR	OFF	2005/07/20 18:17
S29	179	S28 and ("180"/$.ccls. or "60"/$.ccls.)	USPAT	OR	OFF	2005/07/20 18:17
S30	115	S29 and plate	USPAT	OR	ON	2005/07/20 18:18
S31	89	S30 and bearing	USPAT	OR	ON	2005/07/20 18:18
S32	52	S31 and compress$	USPAT	OR	OFF	2005/07/20 19:03
S33	43	S32 and (shaft same plate)	USPAT	OR	ON	2005/07/20 18:53
S34	10	("180"/$.ccls. or "60"/$.ccls.) and ((oppos$ adj3 (motors or pumps)) and (common adj3 shaft))	USPAT	OR	OFF	2005/07/20 19:01
S35	143	("180"/305.ccls. or "60"/$.ccls.) and ((motor adj3 pump) and (common adj3 shaft))	USPAT	OR	ON	2006/08/23 08:51
S36	134	S35 and (fluid or oil)	USPAT	OR	OFF	2005/07/20 19:03
S37	71	S36 and plate	USPAT	OR	ON	2005/07/20 19:03
S38	42	S37 and compress$	USPAT	OR	OFF	2005/07/20 19:04
S39	10	(US-3999466-$ or US-4271725-$ or US-4763472-$ or US-4896564-$ or US-6589128-$ or US-6626787-$ or US-4355506-$ or US-3960284-$ or US-3978937-$ or US-6719080-$). did.	USPAT	OR	OFF	2005/07/20 19:41
S40	7	S39 and (bearing and torque)	USPAT	OR	OFF	2005/07/20 19:41
S41	10	(US-3960284-$ or US-3978937-$ or US-3999466-$ or US-4271725-$ or US-4355506-$ or US-4763472-$ or US-4896564-$ or US-6589128-$ or US-6626787-$ or US-6719080-$). did.	USPAT	OR	OFF	2006/02/06 17:02
S42	6	S41 and seal	USPAT	OR	ON	2006/02/06 17:03
S43	6	S41 and seal and (motor or pump)	USPAT	OR	ON	2006/02/06 17:08
S44	6	S43 and plate	USPAT	OR	ON	2006/02/06 17:11
S45	6	S44 and shaft	USPAT	OR	ON	2006/02/06 17:39

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S46	6	S45 and bearing	USPAT	OR	ON	2006/02/06 17:42
S47	4	S45 and transfer$	USPAT	OR	ON	2006/02/07 11:08
S48	162655	"9" and torque	USPAT	OR	ON	2006/02/07 11:08
S49	10	(US-3960284-$ or US-3978937-$ or US-3999466-$ or US-4271725-$ or US-4355506-$ or US-4763472-$ or US-4896564-$ or US-6589128-$ or US-6626787-$ or US-6719080-$).did.	USPAT	OR	OFF	2006/02/07 11:08
S50	6	S49 and seal and (motor or pump)	USPAT	OR	ON	2006/02/07 11:08
S51	6	S50 and plate	USPAT	OR	ON	2006/02/07 11:08
S52	6	S51 and shaft	USPAT	OR	ON	2006/02/07 11:08
S53	4	S52 and transfer$	USPAT	OR	ON	2006/02/07 11:08
S54	4	S53 and torque	USPAT	OR	ON	2006/02/07 11:08
S55	14208	(pump same motor) and plate and seal	USPAT	OR	ON	2006/02/07 15:36
S56	4744	(pump same motor) and (plate with shaft) and seal	USPAT	OR	ON	2006/02/07 15:37
S57	3961	S56 and (axis or axial)	USPAT	OR	OFF	2006/02/07 15:39
S58	527	S56 and (axial with force)	USPAT	OR	OFF	2006/02/07 15:40
S59	8228	S55 and ((pump or motor) with shaft)	USPAT	OR	OFF	2006/02/07 15:40
S60	473	S58 and ((pump or motor) with shaft)	USPAT	OR	OFF	2006/02/07 16:04
S61	100	S60 and ((torque with transfer$) or (power with transfer$))	USPAT	OR	OFF	2006/02/13 18:40
S62	4744	(pump same motor) and (plate with shaft) and seal	USPAT	OR	ON	2006/02/13 18:41
S63	527	S62 and (axial with force)	USPAT	OR	OFF	2006/02/13 18:41
S64	473	S63 and ((pump or motor) with shaft)	USPAT	OR	OFF	2006/02/13 18:41
S65	100	S64 and ((torque with transfer$) or (power with transfer$))	USPAT	OR	OFF	2006/02/13 18:41
S66	100	S65 and ((torque with transfer$) or (power with transfer$))	USPAT	OR	OFF	2006/02/13 18:41
S67	90	S66 and bearing and (seal or sealing or seals)	USPAT	OR	OFF	2006/02/13 18:41

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S68	18	(US-6626787-$ or US-4271725-$ or US-6688446-$ or US-6589128-$ or US-5085053-$ or US-6358174-$ or US-5244367-$ or US-4896564-$ or US-4781022-$ or US-6578692-$ or US-4763472-$ or US-4875390-$ or US-3999466-$ or US-3960284-$ or US-4355506-$ or US-3978937-$ or US-5423183-$ or US-6719080-$). did.	USPAT	OR	OFF	2006/02/21 12:31
S69	15	S68 and torque	USPAT	OR	OFF	2006/02/21 12:31
S70	14	S68 and (torque and bearing)	USPAT	OR	OFF	2006/02/21 12:38
S71	12	S70 and (spacer or shim or bushing or spring)	USPAT	OR	OFF	2006/02/21 12:47
S72	2	S68 and (taper$ with bearing)	USPAT	OR	OFF	2006/02/21 12:47
S73	18	(US-6719080-$ or US-6626787-$ or US-6589128-$ or US-6358174-$ or US-6578692-$ or US-4781022-$ or US-4896564-$ or US-4271725-$ or US-3960284-$ or US-4875390-$ or US-5244367-$ or US-5423183-$ or US-3978937-$ or US-4355506-$ or US-5085053-$ or US-4763472-$ or US-6688446-$ or US-3999466-$). did.	USPAT	OR	OFF	2006/08/21 14:54
S74	14	S73 and (seal$ and bearing and pump)	USPAT	OR	OFF	2006/08/21 15:36
S75	14	S73 and (seal$ and bearing and pump and shaft)	USPAT	OR	OFF	2006/08/22 09:58
S76	18	(US-6719080-$ or US-6626787-$ or US-6589128-$ or US-6358174-$ or US-6578692-$ or US-4781022-$ or US-4896564-$ or US-4271725-$ or US-3960284-$ or US-4875390-$ or US-5244367-$ or US-5423183-$ or US-3978937-$ or US-4355506-$ or US-5085053-$ or US-4763472-$ or US-6688446-$ or US-3999466-$). did.	USPAT	OR	OFF	2006/08/22 09:58
S77	14	S76 and (seal$ and bearing and pump and shaft and motor)	USPAT	OR	OFF	2006/08/23 08:51
S78	877	("180"/305.ccls. or "60"/$.ccls.) and ((motor same pump) and shaft and bearing and seal)	USPAT	OR	ON	2006/08/23 09:26
S79	859	S78 and (axial or load or force$ or compress$)	USPAT	OR	OFF	2006/08/23 09:27
S80	42	("180"/305.ccls. or "60"/325.ccls.) and ((motor same pump) and shaft and bearing and seal)	USPAT	OR	ON	2006/08/23 09:57

S81	42	S80 and (axial or load or force$ or compress$)	USPAT	OR	OFF	2006/08/23 09:59
S82	712	("180"/$.ccls. or "60"/$.ccls.) and ((motor with pump) and (shaft with bearing) and seal)	USPAT	OR	ON	2006/08/23 10:57
S83	164	S82 and (axial with (load or force$ or compress$))	USPAT	OR	OFF	2006/08/23 10:00
S84	5895	((motor with pump) and (shaft with bearing) and seal) and (axial with (load$) or force$ or compress$)	USPAT	OR	ON	2006/08/23 11:01
S85	4929	S84 and (shaft with (end or cap or plate))	USPAT	OR	ON	2006/08/23 11:00
S86	1	("5800134").PN.	USPAT	OR	OFF	2006/08/23 13:50
S87	21	("2914219" | "3132533" | "4216684" | "4534271" | "5540563").PN. OR ("5800134").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 13:54
S88	16	("2875701" | "4252508" | "4270408" | "4819508" | "4971535" | "5040429" | "5078222" | "5207060" | "5304043" | "5501578" | "5800134" | "6332393" | "6361282" | "6487856").PN. OR ("6705840").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 15:15
S89	700	((second adj3 pump) or (two adj3 pump)) and shaft and bearing and seal and (axial with (load$ or force$ or compress$))	USPAT	OR	ON	2006/08/23 15:24
S90	507	((second adj2 pump) or (two adj2 pump)) and shaft and bearing and seal and (axial with (load$ or force$ or compress$))	USPAT	OR	ON	2006/08/23 16:44
S91	387	((second adj2 pump) or (two adj2 pump) same shaft) and bearing and seal and (axial with (load$ or force$ or compress$))	USPAT	OR	ON	2006/08/24 17:16
S92	387	((second adj2 pump) or (two adj2 pump) same shaft) and bearing and seal and (axial with (load$ or force$ or compress$))	USPAT	OR	ON	2006/08/24 17:17
S93	308	S92 and (pump same shaft)	USPAT	OR	OFF	2006/08/24 17:18
S94	309	S92 and (pump same shaft)	USPAT	OR	ON	2006/08/24 18:04
S95	292	S94 and (shaft same (cap or plate or disc or end))	USPAT	OR	ON	2006/08/24 18:05
S96	273	S94 and (shaft with (cap or plate or disc or end))	USPAT	OR	ON	2006/08/29 17:22

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S97	3	(("20060046895") or ("20050279542") or ("20050275177")).PN.	US-PGPUB	OR	OFF	2006/08/29 17:25